

PHOTONICALLY ACTIVATED FLUID DISPENSING SYSTEM AND METHODS

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ABSTRACT

A fluid dispensing system, including a photon source disposed on a moveable carriage and a fluid ejector array having a plurality of fluid ejection elements disposed on a substrate. Each fluid ejection element includes a fluid ejector, and a photodetector electrically coupled to the fluid ejector. Moving said photon source over at least a portion of the fluid ejector array, selectively illuminates the photodetectors, thereby selectively activating the fluid ejectors coupled to the illuminated photodetectors.

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